CONTENTS OF VOLUME 29

ADAMS, G. A.—Separation of starch and gluten. VI. Starch recovery and purification, 217.
ALLAN, A. B.—See King, R. O.
BAKER, B. E.—See Hare, J. H.
BARBER, V. T.—See Cullen, A. M.
BARNES, W. H. and WAGNER, S.—An X-ray diffraction Laue microcamera, 337.
BARNWELL, J. L.—See Murphy, D.
BLACKWOOD, A. C.—See Neish, A. C.
BOULET, M. and PEARCE, J. A.—Dried whole egg powder. XXIX. The effect of high moisture content on fluorescence and other chemical changes, 153.
BOURNE, B. E.—See McKinley, D. W. R.
BOURNS, A. N.—See Evans, T. H.
BRABANT-SMITH, A. M. K.—Color in margarine. I. Evaluation of color using the Lovibond tintometer, 290. II. An indirect method for measurement of color in terms of the Lovibond color system, 296. III. Effect of storage conditions, 303.
BRADFIELD, R. D.—See Bucher, G. E.
BRAID, P. E. and KAY, K.—A field method for the determination of halogenated hydrocarbons, 159.
BUCHER, G. E. and BRADFIELD, R. D.—A syringe-head for attachment of glass capillary needles to glass syringes, 520.
BURR, A. C.—A radial heat flow apparatus for the determination of thermal conductivity, 451.
CAMPBELL, J. A.—See Murray, T. K.
CHAPMAN, R. A.—See Murray, T. K.
CLARK, R. H.—See Phillips, N. E.; Reynolds, W. L.
COHEN, M.—See Sereda, P. J.
CRAIG, B. M.—See Youngs, C. G.
DAVIS, S. G., FORAN, M. R., OGILVIE, J. D. B., PEARCE, J. A., and WINKLER, C. A.—Dynamic adsorption of ammonia, of butane, of cyanogen chloride, and of water vapor by charcoals, 190.
DION, H. G.—See Kristjanson, A. M.
DJINGHEUZIAN, L. E. and WARREN, T. E.—A study of cold-water separation of bitumen from Alberta bituminous sand on a pilot plant scale, 170.
DURAND, E. J.—See King, R. O.
ELLIOTT, F. H.—Determination of the characteristics of a flame photometer and effects of interfering substances, 111.
ERDMAN, I. E. and THORNTON, H. R.—Psychrophilic bacteria in Edmonton milk and cream. I. Numbers, 232. II. Kinds, 238.
EVANS, T. H. and BOURNS, A. N.—Vapor-phase production of dimethylaniline, 1.
FORAN, M. R.—See Davis, S. G.
FORD, E. G.—A rapid polarographic determination of copper, cadmium, and zinc in silver base alloys, 61.
FRY, F. E. J.—A fractionating column to provide water of various dissolved oxygen content, 144.
GIBBONS, N. E., ROSE, D., and HOPKINS, J. W.—Canadian Wiltshire bacon. XXXI. Effects of salt content and storage temperature on storage life, 458.
GRACE, N. H. and ZUCKERMAN, A.—Canadian erucic acid oils. VI. Blowing of rapeseed, mustard seed, and weed seed oils, 71. VII. Preparation of sulphated and hydroxy acids from rapeseed oil acids, 276.
GRANT, G. A., KATZ, M., and HAINES, R. L.—A modified iodine pentoxide method for the determination of carbon monoxide, 43.
GRANT, G. A., KATZ, M., and RIBERDY, R.—The oxidation of carbon monoxide by solid silver permanganate reagents. III. Effect of method of preparation on activity, 511.
HAINES, R. L.—See Grant, G. A.

CONTENTS OF VOLUME 29

ADAMS, G. A.—Separation of starch and gluten. VI. Starch recovery and purification, 217.
ALLAN, A. B.—See King, R. O.
BAKER, B. E.—See Hare, J. H.
BARBER, V. T.—See Cullen, A. M.
BARNES, W. H. and WAGNER, S.—An X-ray diffraction Laue microcamera, 337.
BARNWELL, J. L.—See Murphy, D.
BLACKWOOD, A. C.—See Neish, A. C.
BOULET, M. and PEARCE, J. A.—Dried whole egg powder. XXIX. The effect of high moisture content on fluorescence and other chemical changes, 153.
BOURNE, B. E.—See McKinley, D. W. R.
BOURNS, A. N.—See Evans, T. H.
BRABANT-SMITH, A. M. K.—Color in margarine. I. Evaluation of color using the Lovibond tintometer, 290. II. An indirect method for measurement of color in terms of the Lovibond color system, 296. III. Effect of storage conditions, 303.
BRADFIELD, R. D.—See Bucher, G. E.
BRAID, P. E. and KAY, K.—A field method for the determination of halogenated hydrocarbons, 159.
BUCHER, G. E. and BRADFIELD, R. D.—A syringe-head for attachment of glass capillary needles to glass syringes, 520.
BURR, A. C.—A radial heat flow apparatus for the determination of thermal conductivity, 451.
CAMPBELL, J. A.—See Murray, T. K.
CHAPMAN, R. A.—See Murray, T. K.
CLARK, R. H.—See Phillips, N. E.; Reynolds, W. L.
COHEN, M.—See Sereda, P. J.
CRAIG, B. M.—See Youngs, C. G.
DAVIS, S. G., FORAN, M. R., OGILVIE, J. D. B., PEARCE, J. A., and WINKLER, C. A.—Dynamic adsorption of ammonia, of butane, of cyanogen chloride, and of water vapor by charcoals, 190.
DION, H. G.—See Kristjanson, A. M.
DJINGHEUZIAN, L. E. and WARREN, T. E.—A study of cold-water separation of bitumen from Alberta bituminous sand on a pilot plant scale, 170.
DURAND, E. J.—See King, R. O.
ELLIOTT, F. H.—Determination of the characteristics of a flame photometer and effects of interfering substances, 111.
ERDMAN, I. E. and THORNTON, H. R.—Psychrophilic bacteria in Edmonton milk and cream. I. Numbers, 232. II. Kinds, 238.
EVANS, T. H. and BOURNS, A. N.—Vapor-phase production of dimethylaniline, 1.
FORAN, M. R.—See Davis, S. G.
FORD, E. G.—A rapid polarographic determination of copper, cadmium, and zinc in silver base alloys, 61.
FRY, F. E. J.—A fractionating column to provide water of various dissolved oxygen content, 144.
GIBBONS, N. E., ROSE, D., and HOPKINS, J. W.—Canadian Wiltshire bacon. XXXI. Effects of salt content and storage temperature on storage life, 458.
GRACE, N. H. and ZUCKERMAN, A.—Canadian erucic acid oils. VI. Blowing of rapeseed, mustard seed, and weed seed oils, 71. VII. Preparation of sulphated and hydroxy acids from rapeseed oil acids, 276.
GRANT, G. A., KATZ, M., and HAINES, R. L.—A modified iodine pentoxide method for the determination of carbon monoxide, 43.
GRANT, G. A., KATZ, M., and RIBERDY, R.—The oxidation of carbon monoxide by solid silver permanganate reagents. III. Effect of method of preparation on activity, 511.
HAINES, R. L.—See Grant, G. A.

HARE, J. H. and BAKER, B. E.—The precipitation of whey proteins using waste sulphite liquor, 332.
HARMSEN, G. W.—See Murphy, D.
HAYWARD, A. M.—See Wright, R. H.
HOPKINS, J. W.—See Gibbons, N. E.
JOHNSON, A. L.—See Reynolds, W. L.
KATZ, M.—See Grant, G. A.
KAY, K.—See Braid, P. E.
KING, R. O., DURAND, E. J., and ALLAN, A. B.—The oxidation, decomposition, ignition, and detonation of fuel vapors and gases. XVII. The nuclear ignition of *n*-pentane in the C.F.R. engine and the effect on performance, 52. XVIII. The operation of a carburetor type engine by compression ignition with diethyl ether or acetaldehyde as the fuel, 382.
KIRBY, E. M.—See Lemon, H. W.
KLASSEN, J.—See Plewes, A. C.
KNAPP, R. M.—See Lemon, H. W.
KRISTJANSON, A. M., DION, H. G., and SPINKS, J. W. T.—Hollow cylinder method of measurement of P^{32} in plants, 496.
LANE, D. A.—See Spinks, J. W. T.
LEMON, H. W., KIRBY, E. M., and KNAPP, R. M.—Autoxidation of methyl esters of peanut oil fatty acids, 523.
MCKINLEY, D. W. R. and BOURNE, B. E.—A precision radio time signal system, 428.*
MAHON, J. H.—See Murray, T. K.
MALLARD, T. M.—See Youngs, C. G.
MATHESON, D. H.—Inorganic nitrogen in precipitation and atmospheric sediments, 406.
MUIRHEAD, D. R.—See Murphy, D.
MURPHY, D.—A study on the possible production of glycerol from sulphite waste liquor by yeast, 471.
MURPHY, D. and STRANKS, D. W.—The production of 2,3-butanediol from sulphite waste liquor, 413.
MURPHY, D., STRANKS, D. W., and HARMSEN, G. W.—Production and properties of 2,3-butanediol. XXXV. Phosphate deficiency as a factor in the production of 2,3-butanediol from sugar-beet molasses, 131.
MURPHY, D., WATSON, R. W., MUIRHEAD, D. R., and BARNWELL, J. L.—Fermentation of beet molasses by *Pseudomonas hydrophila*, 375.
MURRAY, T. K., MAHON, J. H., WRIGHT, A., CHAPMAN, R. A., and CAMPBELL, J. A.—A study of Canadian margarine with particular reference to its vitamin A content, 147.
NEIL, D. J.—A sheet specimen scanner for X-ray diffraction, 84.
NEISH, A. C.—See Tink, R. R.
NEISH, A. C. and BLACKWOOD, A. C.—Dissimilation of glucose by yeast at poised hydrogen ion concentrations, 123.
OGILVIE, J. D. B.—See Davis, S. G.
ORR, R. J. and WILLIAMS, H. L.—Study of the copolymerization of butadiene and styrene in emulsion at subfreezing temperatures, 29.
PEARCE, J. A.—See Boulet, M.; Davis, S. G.
PETERSON, R.—See Rose, D.
PETERSON, R. and ROSE, D.—Estimation of glycogen by the use of anthrone, 317.
PFALZNER, P. M.—The specific heat of wheat, 261.
PHILLIPS, N. E. and CLARK, R. H.—The emulsion polymerization of isoprene. III. The measurement of the amount of vinyl groups, 349.
PLEWES, A. C. and KLASSEN, J.—A study of mass transfer rates from the solid to the gas phase, 322.
PUDDINGTON, I. E.—Electromagnetic mercury pumps for circulating gases, 311.
REYNOLDS, W. L., JOHNSON, A. L., and CLARK, R. H.—The emulsion polymerization of isoprene. II, 343.

*See Additions and Corrections, p. 556.

RIBERDY, R.—See Grant, G. A.
ROSE, D.—See Gibbons, N. E.; Peterson, R.
ROSE, D. and Peterson, R.—Depletion of carbohydrate reserves by starvation and exercise, 421.
ROSE, R. C.—Extraction of alginates from Canadian seaweeds, 19.
ROXBURGH, J. M.—See Tink, R. R.
SACKS, W.—Reduction of the vanadium content of residual petroleum fuels by solvent precipitation, 492.
SEREDA, P. J., THOMAS, W. R., and COHEN, M.—An investigation of the corrosion of domestic hot water tanks, 435.
SIDJAK, N.—An interferometer for the thickness measurement of thin transparent film, 362.
SIMPSON, F. J. and STRANKS, D. W.—Production and properties of 2,3-butanediol. XXXIV. Some factors affecting the fermentation of beet molasses by *Bacillus polymyxa*, 87.
SPENCER, E. Y.—See Tink, R. R.
SPINKS, J. W. T.—See Kristjanson, A. M.
SPINKS, J. W. T., LANE, D. A., and TORCHINSKY, B. B.—A new method for moisture determination in soil, 371.
SPOONER, R. C.—The abrasion resistance of sulphuric acid anodic films on aluminium and its alloys, 479.
STONE, J. E.—The briquetting of straw, 98.
STRANKS, D. W.—See Murphy, D.; Simpson, F. J.
TARR, H. L. A.—Microbiological formation of vitamin B_{12}. I. Production in fish press liquid, 391.
THOMAS, W. R.—See Sereda, P. J.
THORNTON, H. R.—See Erdman, I. E.
TINK, R. R. and NEISH, A. C.—Extraction of polyhydroxy compounds from dilute aqueous solutions by cyclic acetal formation. I. An investigation of the scope of the process, 243.
TINK, R. R. and Roxburgh, J. M.—Extraction of polyhydroxy compounds from dilute aqueous solutions by cyclic acetal formation. III. The continuous extraction of glycerol, 269.
TINK, R. R., SPENCER, E. Y., and ROXBURGH, J. M.—Extraction of polyhydroxy compounds from dilute aqueous solutions by cyclic acetal formation. II. The batch extraction of glycerol, 250.
TORCHINSKY, B. B.—See Spinks, J. W. T.
WAGNER, S.—See Barnes, W. H.
WARREN, T. E.—See Djingheuzian, L. E.
WATSON, R. W.—See Murphy, D.
WEBB, E. L. R.—A continuous motion camera for multiple exposure of 35 mm. film, 401.
WILLIAMS, H. L.—See Orr, R. J.
WINKLER, C. A.—See Davis, S. G.
WOOD, E. E.—The determination of fat and sugar in chocolate, 66.
WRIGHT, A.—See Murray, T. K.
WRIGHT, R. H. and HAYWARD, A. M.—Kinetics of the thermal decomposition of wood, 503.
YOUNGS, C. G., MALLARD, T. M., and CRAIG, B. M.—Photoelectric vacuum controller, 447.
VAN DER ZIEL, A.—Noise suppression in triode amplifiers. II. 540.
ZUCKERMAN, A.—See Grace, N. H.

ADDITIONS AND CORRECTIONS

VOLUME 28

Page 455. In Line 30, milliliters should read cubic millimeters.
Pages 456, 457, and 459. In Figs. 1, 2, 3, and 4, ml. should read cu. mm.
Page 457. In Line 9, ml. should read cu. mm.

VOLUME 29

Page 432. In Line 13, 1/20 sec. should read 1/120 sec.